

What is claimed is:

1. A flame retardant ethylene family resin composite comprising flame retardant particles dispersed in an ethylene family copolymer, each respectively having a flame retardant agent including magnesium hydroxide and polyorganosilane.

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2. A flame retardant ethylene family resin composite according to claim 1, wherein the resin composite has a specific gravity of 1.14 or less.

3. A flame retardant ethylene family resin composite according to claim 1, wherein each 10 flame retardant particle comprises polyorganosiloxane-treated magnesium hydroxide.

4. A flame retardant ethylene family resin composite according to claim 1, wherein each flame retardant particle comprises polyorganosiloxane-treated magnesium hydroxide, and an assisting flame retardant agent.

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5. A flame retardant ethylene family resin composite according to claim 4, wherein the resin composite comprises a blend of 40 to 50 parts in weight of polyorganosiloxane-treated magnesium hydroxide and 2 to 10 parts in weight of the assisting flame retardant agent, to 100 parts in weight of the ethylene family copolymer.

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6. A flame retardant ethylene family resin composite according to claim 5, wherein the ethylene family copolymer comprises a mixture of 20 to 40 parts in weight of ethylene vinyl acetate copolymer and 80 to 60 parts in weight of ethylene ethyl acrylate copolymer.

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7. A flame retardant ethylene family resin composite according to claim 4, wherein the assisting flame retardant agent comprises an aluminium hydroxide composite.

8. A flame retardant ethylene family resin composite according to claim 7, wherein the aluminium hydroxide composite comprises ammonium molybdate-treated aluminium 30 hydroxide.

9. A flame retardant ethylene family resin composite according to claim 4, wherein the assisting flame retardant agent comprises silicon powder.

10. A flame retardant ethylene family resin composite according to claim 5, wherein the 5 resin composite further comprises 0.5 to 5.0 parts in weight of a process assisting agent as an additive.

11. A flame retardant electric wire or cable comprising a conductor, and a covering material covering the conductor, the covering material comprising a flame retardant ethylene 10 family resin composite according to claim 1.